

AN \*\*\*1997:602672\*\*\* CAPLUS

**XP-002151151**

DN 127:298559

TI UV-shielding inorganic powders and cosmetics containing them

IN Mori, Toshiharu; Ono, Makiko; Kono, Masato

PA Tsumura and Co., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-42

ICS A61K007-00; C01B033-18; C01G023-04; C09C001-04; C09C001-36;  
C09C003-06

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09235217	A2	19970909	JP 1996-71300	19960229
AB	The title powders, useful for sunscreens, contain (i) ZnO encapsulated in silica with particle size 0.01-10 .mu.m, (ii) titania with particle size 0.001-0.10 .mu.m, and (iii) platy talc, mica, and/or sericite deposited with the titania fine particles. The powders are stable and give no unpleasant feeling.				
ST	UV shielding zinc oxide microcapsule silica; titania talc mica sericite sunscreen; particle size titania silica sunscreen				
IT	Microcapsules (ZnO microencapsulated in silica; sunscreens contg. UV-shielding inorg powders)				
IT	Sunscreens (sunscreens contg. UV-shielding inorg. powders)				
IT	Mica-group minerals, biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (titania fine particles deposited on; sunscreens contg. UV-shielding inorg. powders)				
IT	7631-86-9, Silica, biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (ZnO microencapsulated in; sunscreens contg. UV-shielding inorg. powders)				
IT	1314-13-2, Zinc oxide, biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (microencapsulated in silica; sunscreens contg. UV-shielding inorg. powders)				
IT	13463-67-7, Titanium oxide (TiO2), biological studies 197179-72-9, Fancyveil S 630TW RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (sunscreens contg. UV-shielding inorg. powders)				
IT	12174-53-7, Sericite 14807-96-6, Talc, biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (titania fine particles deposited on; sunscreens contg. UV-shielding inorg. powders)				

## INORGANIC POWDER MATERIAL AND COSMETIC USING THE SAME

Patent Number: JP9235217  
Publication date: 1997-09-09  
Inventor(s): MORI TOSHIHARU; ONO MAKIKO; KONO MASATO  
Applicant(s):: TSUMURA & CO  
Requested Patent: JP9235217  
Application  
Number: JP19960071300 19960229  
Priority Number(s):  
IPC Classification: A61K7/42 ; A61K7/00 ; C01B33/18 ; C01G23/04 ; C09C1/04 ; C09C1/36 ;  
C09C3/06  
EC Classification:  
Equivalents:

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### Abstract

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PROBLEM TO BE SOLVED: To obtain an inorganic powder material high in an UV-protecting effect, excellent in ageing stability and giving a good touch, and to obtain a cosmetic using the same.

SOLUTION: This inorganic powder material comprises (I) zinc oxideencapsulated silica having a particle diameter of 0.01-10 $\mu$  m, (II) superfine particulate titanium dioxide having a particle diameter of 0.001-0.10 $\mu$  m, and (III) plate-like talc, mica and/or sericite to which superfine titanium dioxide having a particle diameter of 0.001-0.10 $\mu$  m is adhered, and this cosmetic is compounded with the inorganic power material.

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